

CLING FILM FASTENING SYSTEM FOR DISPOSABLE SOFT GOODS

ABSTRACT

A unique laminate structure, a process for making the laminate, and use of the laminate in a fastening system for disposable soft goods is disclosed. The laminate is composed of a cling film layer having autoadhesive surface properties bonded to a flexible, but substantially non-stretchable, base carrier layer. The base carrier layer is formed of a material which eliminates, or substantially limits, any stretching of the cling film. The cling film layer includes a thermoplastic polymer coating that provides autoadhesive surface properties selected from the group consisting of polyolefins, acrylic modified polyolefins, vinyl acetate modified polyolefins and acrylic polymer. Preferably, the polyolefin may be polypropylene or polyethylene. Preferably, the carrier or base layer is comprised of a nonwoven material, or a thermoplastic film. A laminate composed of a cling film layer and a non-stretchable base layer is particularly useful as a fastening system for a disposable diaper or a feminine care pad with low peel, but high shear strength.